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Title:

CONSTANT-RESISTANCE FLEXIBLE CIRCUIT BOARD AND MANUFACTURE
THEREOF ;

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Equivalents: ;

ABSTRACT:

PROBLEM TO BE SOLVED: To keep a conductive pattern constant in resistance by a method wherein conductor patterns formed on both sides of a flexible insulating base material are formed of only a conductive layer which is not electroplated and electrically connected together through an electroplated through-hole. SOLUTION: A constant-resistance flexible circuit board 32 is equipped with conductive patterns 301 and 302 formed of only a copper foil 22 on both sides of a flexible polyimide board 21, and an electrolytic copper plating film 27 is formed on the inner wall of a through-hole 24 and the vicinity of the through-hole 24. The copper foil 22 is controlled in thickness to an accuracy of plusmn 10% of the specified value, so that the conductive patterns 301 and 302 are uniform in thickness and controlled in resistance to a certain accuracy. By this setup, a flexible circuit board possessed of a conductive pattern prescribed in resistance corresponding to uses can be obtained.